#### From the INTERNATIONAL SEARCHING AUTHORITY

To: WILLIAM B. PATTERSON	PCT			
PATTERSON & SHERIDAN, LLP 3040 POST OAK BLVD., SUITE 1500 HOUSTON, TX 77056	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing (day/month/year)			
Applicant's or agent's file reference CATT/0013-PC	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US07/63718	International filing date (day/month/year) 09 March 2007 (09.03.2007)			
Applicant	(adymoratyca) os talaci, 2001 (os.(52.2001)			
CAT TECH, INC.				
The applicant is hereby notified that the international sear have been established and are transmittedherewith.	ch report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	ims of the international application (see Rule 46):			
, , ,	normally two monthsfrom the date of transmittal of the international			
	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70.			
For more detailed instructions, see the notes on the ac	excompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additi	ional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereonhas been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the app	- 1			
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the BA/US	Authorized officer /Timothy L. Maust/ Change Had			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	/Timothy L. Maust/			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201				
orm PCT/ISA/220 (January 2004)	(See notes on accompanying sheet)			

DECEIVED MAY - 8 2008

### From the INTERNATIONAL SEARCHING AUTHORITY

To: WILLIAM B. PATTERSON	PCT			
PATTERSON & SHERIDAN, LLP 3040 POST OAK BLVD., SUITE 1500 HOUSTON, TX 77056	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 0.5 MAY 2008			
Applicant's or agent's file reference CATT/0013-PC	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US07/63718	International filing date (day/month/year) 09 March 2007 (09.03.2007)			
Applicant CAT TECH, INC.				
The applicant is hereby notified that the international sea have been established and are transmittedherewith.	rch report and the written opinion of the International Searching Authority			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the ch				
When? The time limit for filing such amendments is search report.	s normally two monthsfrom the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.				
For more detailed instructions, see the notes on the a	ccompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) addition	tional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereonhas been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
.]	pleant will be notified as soon as a decision is made.			
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the BA/ US	Authorized officer /Timothy L. Maust/ Chans Head			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	/Timothy L. Maust/			
41 11 TM 11 00010 1100				
Facsimile No. (571) 273-3201				
Form PCT/ISA/220 (January 2004)	(See notes on accompanying sheet)			

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CATT/0013-PC	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below			
International application No. PCT/US07/63718	International filing date ( <i>day/r</i> 09 March 2007 (09.03.2007)	nonth/year)	(Earliest) Priority Date (day/month/year) 16 March 2006 (16.03.2006)		
Applicant CAT TECH, INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of sheets.  It is also accompanied by a copy of each prior art document cited in this report.					
a. With regard to the language, the in					
	pplication in the language in wl international application into		. , which is the language		
l ————	mished for the purposes of inter				
<del></del>	ort has been established taking in his Authority under Rule 91 Rul		rectification of an obvious mistake		
c. With regard to any nucleotide	e and/or amino acid sequence	disclosed in the	international application, see Box No. I.		
2. Certain claims were found u	insearchable(See Box No. II)				
Junity of invention is lacking	(See Box No. III)				
4. With regard to the title,  the text is approved as submit	ted by the applicant.				
	by this Authority to read as follo	ws:			
5. With regard to the abstract,					
the text is approved as submitt		ic Authority ac	it appears in Pay No. IV. The applicant		
•		-	it appears in Box No. IV. The applicant eport, submit comments to this Authority.		
<ul> <li>6. With regard to the drawings,</li> <li>a. the figure of the drawings to be published with the abstract is Figure No. 4</li> </ul>					
as suggested by the ap	-				
	thority, because the applicant fa	niled to suggest	a figure.		
as selected by this Au	thority, because this figure bette	er characterizes	the invention.		
b. none of the figures is to be published with the abstract.					

Form PCT/ISA/210 (first sheet) (April 2007)

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/63718

		<u> </u>		
A. CLASSIFICATION OF SUBJECT MATTER  IPC: B67C 3/26(2006.01);B65G 1/00(2006.01)				
USPC: According to	141/256,250,374;414/301 International Patent Classification (IPC) or to both na	tional classification and IPC		
	DS SEARCHED			
	cumentation searched (classification system followed 41/256, 250, 374; 414/301	by classification symbols)		
Documentati	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched	
Electronic da EAST	ta base consulted during the international search (name	e of data base and, where practicable, search	ı terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Х	US 5,247,970 A (RYNTVEIT et al.) 28 September I	1, 3, 4, 11, 14		
x	US 2,114,103 A (DRISCOLL et al.) 12 April 1938 (12.04.1938), see entire document.			
A	US 3,749,258 A (JAMES) 31 July 1973 (31.07.1973), see entire document.			
			•	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
• S <sub>i</sub>	pecial categories of cited documents:	"T" later document published after the intended		
"A" document particular	defining the general state of the art which is not considered to be of relevance	principle or theory underlying the inven		
"E" carlier app	lication or patent published on or after the international filing date	"X" document of particular relevance; the da considered novel or cannot be considere when the document is taken alone	anteo invention cannot se d to involve an inventive step	
establish t	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y" document of particular relevance; the cl		
"O" document	fied)  considered to involve an inventive step when the document is combination being with one or more other such documents, such combination being obvious to a person skilled in the art			
	ent published prior to the international filing date but later than the "&" document member of the same patent family			
Date of the actual completion of the international search  Date of mailing of the international search report				
31 March 2008 (31.03.2008)  Name and mailing address of the ISA/US  Mail Stop PCT, Atm. ISA/US  Commissioner for Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Facsimile No. (571) 273-3201  O 5 MAY 2008  Authorized officer  /Timothy L. Maust/  Telephone No. (571) 272-4395				
Name and mailing address of the ISA/US  Authorized officer				
Com	Stop PCT, Attn: ISA/US unissioner for Patents	/Timothy L. Maust/	/ near	
	Box 1450 andria, Virginia 22313-1450	Telephone No. (571) 272-4395	4.1-	
	(571) 273-3201	·	Jul 1	

From the INTERNATIONAL SEARCHI						
NTERNATIONAL SEARCHING AUTHORITY  To:  WILLIAM B. PATTERSON PATTERSON & SHERIDAN, LLP 3040 POST OAK BLVD., SUITE 1500 HOUSTON, TX 77056		PCT  WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
	·		(PCT Rule 43bis.1)  Date of mailing 7 5 MAY 2008			
	(day/month/year)					
Applicant's or agent's file refe	erence		FOR FURTHER ACTION See paragraph 2 below			
CATT/0013-PC International application No.	Intern	ational filing date	] (dav/month/year)	Priority date (day/month/year)		
PCT/US07/63718		erch 2007 (09.03.20		16 March 2006 (16.03.2006)		
International Patent Classificat						
IPC: <b>B67C</b> 3/26( 2006.01 USPC: 141/250,256,374;414		5.01)				
Applicant						
CAT TECH, INC.						
1. This opinion contains indi	cations relating to	the following items	s:			
Box No. I	Basis of the opinion	ı				
Box No. II P	riority					
Box No. III N	Von-establishment	of opinion with reg	gard to novelty, inve	entive step and industrial applicability		
	ack of unity of inv		•			
	Box No. V Reasoned statement under Rule 43bis. I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI	Certain documents	cited		•		
Box No. VII C	Certain defects in th	ne international app	olication			
Box No. VIII C	Certain observations	s on the internation	al application			
2. FURTHER ACTION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
Name and mailing address of the		Date of complet	ion of this opinion	Authorized officer		
Mail Stop PCT, Attn: IS Commissioner for Paten		31 March 2008 (	(31.03.2008)	Timothy L. Maust August Market Maust Market Maust Market M		
P.O. Box 1450 Alexandria, Virginia 223	313-1450		Telephone No. (571) 272-4395			
Facsimile No. (571) 273-3201 Form PCT/ISA/237 (cover sheet)	Facsimile No. (371) 273-3201  Form PCT/ISA/237 (cover sheet) (April 2007)					

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US07/63718

Box N	o. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of:
$\boxtimes$	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of
2.	international search (Rules 12.3(a) and 23.1(b)).  This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this
_	Authority under Rule 91 (Rule 43bis. I(a))
	regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been ished on the basis of:
CSIAUI	isited on the casts of.
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
C.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
. []	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed
4.	or formished, the required statements that the information in the subsequent or additional copies is identical to that in the
	application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additi	onal comments:
•,•	
	·
	·

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US07/63718

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	8-10	YES	
11010109 (14)		1,3-7, 11,14		
			v ma	
Inventive step (IS)		8-10	YES	
	Claums	2,12,13	NO	
Industrial applicability (IA)	Claims	1-14	YES	
		NONE	NO	
2. Citations and explanations:  Claims 1, 3, 4, 11 and 14 lack novelty under PCT A  Claims 1- are rejected under 35 U.S.C. 102(b) as be In regard to claims 1, 11 and 14, the Ryntyeit et al.	ing anticipated l	oy Ryntveit et al.		
tube 1, comprising: a "center member" 4; and a plurality of substantially member including at least two rigid and "opposing a in at least two opposing directions and each damper	y identical "dam arms" 7 extendir	per members" 5 disposed along g outwards at substantially nin	the center member, each damper ety degrees from the center member	
In regard to claims 3 and 4, the method as claimed v	would be inherer	nt during normal use and operat	ion of the device.	
Claims 5-7 lack novelty under PCT Article 33(2) as In regard to claims 5-7, the reference discloses a loa of "spiral shapes" 20 having different diameters.	being anticipate ding tool (see F	ed by Driscoll et al.  igure 1) comprising a "stiffence	I central member" 19 and a plurality	
Claims 2, 12 and 13 lack an inventive step under PC The Ryntyeit et al. reference discloses the invention being "Z-shaped". It would have been an obvious m has not disclosed that a Z-shaped damper solves any without a Z-shaped damper.	substantially as atter of design o	claimed (discussed supra), but hoice to employ Z-shaped dam	doesn't disclose the repeating shapes pers on the device, since applicant	
Claims 8-10 the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method for distributing solid particles into a tube, as claimed.				
Claims 1-14 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.				
		•		
	•			
			•	
•				
•				
			•	

## NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the daim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- Where originally there were 48 claims and after amendment of some claims there are 51]:
  "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers, claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- Where various kinds of amendments are made]:
  "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

# It must be in the language in which the international application is to be published.

It must b. brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

# Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

If a demand for international preliminary examination is made, the written opinion of the International Searching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1 bis(b), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later (Rule 43bis.1(c)).

# Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.

## NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

# INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see PCT Applicant's Guide, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see PCT Applicant's Guide, Volume 1/A, paragraph 296).

# What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time When? limit but before the completion of the technical preparations for international publication (Rule 46.1).

## Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one How? or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

# What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.